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Fig. 1

Photographs of the electrophoresis gels obtained in the RFLP analysis of BASB019

Fig. 1A

P6 AciI

2931 2905 2907 2909 2911
25bp 2904 2906 2908 2910

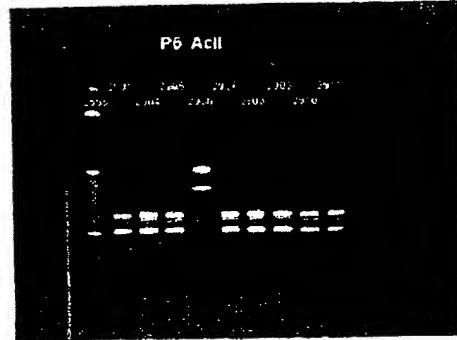


Fig. 1B

P6 AciI

2912 2926 2956 2969
25bp 2913 2931 2960 2975



Fig. 1C

P6 AciI

2931 2905 2907 2909 2911
25bp 2904 2906 2908 2910

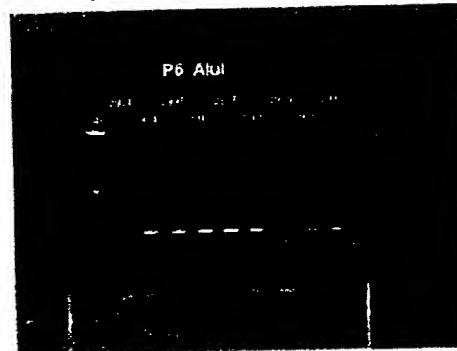


Fig. 1D

P6 AciI

2912 2926 2956 2969
25bp 2913 2931 2960 2975

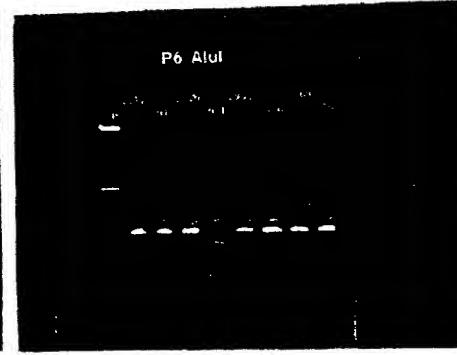


Fig. 1E

P6 BbvI

2931 2905 2907 2909 2911
25bp 2904 2906 2908 2910

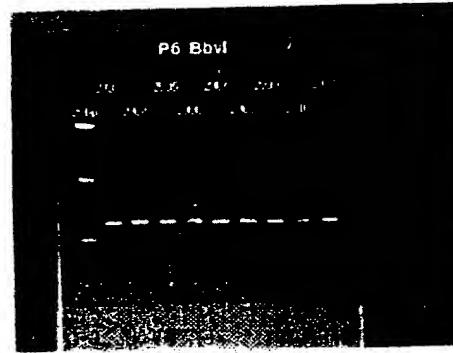
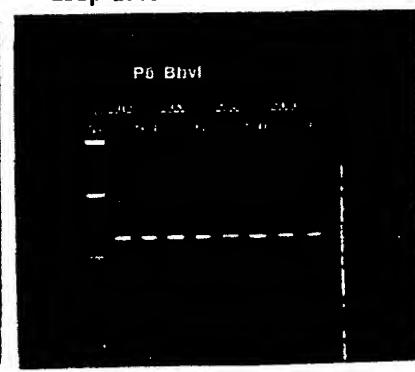


Fig. 1F

P6 BbvI

2912 2926 2956 2969
25bp 2913 2931 2960 2975



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Fig. 1 (cont)

Fig. 1G
P6 Maell

25bp 2931
2904 2905
2906 2907
2908 2909
2910 2911

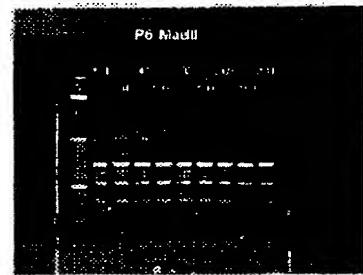


Fig. 1H
P6 Maell

25bp 2912
2913 2926
2931 2956
2960 2969
2975



Fig. 1I
P6 Msel

25bp 2931
2904 2905
2906 2907
2908 2909
2910 2911

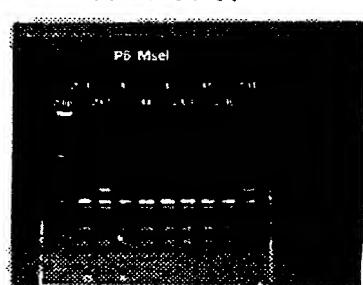


Fig. 1J
P6 Msel

25bp 2912
2913 2926
2931 2956
2960 2969
2975

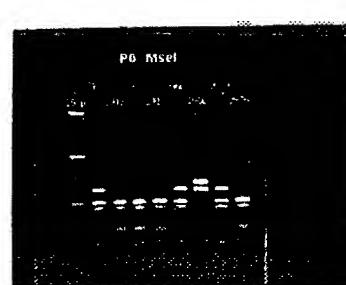


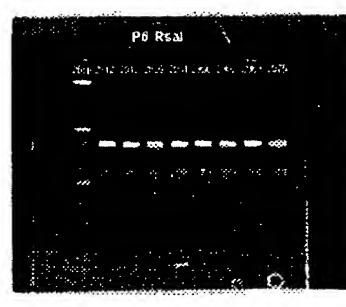
Fig. 1K
P6 Rsal

25bp 2931
2904 2905
2906 2907
2908 2909
2910 2911



Fig. 1L
P6 Rsal

25bp 2912
2913 2926
2931 2956
2960 2969
2975



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Figure 2A Alignment of the BASB019 polynucleotide sequences.
Identity to SeqID No:1 is indicated by a dot.

* 20 * 40 *
Seqid1 : ATGATGTTACATATTCAAATTGCCGCCGCTGCCGCCGCTTATCGGTACT
: 50

Seqid3 :
: 50

Seqid5 :
: 50

Seqid7 :T.....
: 50

60 * 80 * 100
Seqid1 : AACTTTATGACAGGCTGTGCCAATAATCAACAAAGTCAAGTTATGGTTG
: 100

Seqid3 :
: 100

Seqid5 :
: 100

Seqid7 :
: 100

* 120 * 140 *
Seqid1 : CTCCTAATGCACCCACAGGTTACACTGGGGTTATCTATACTGGTGTTGCA
: 150

Seqid3 :
: 150

Seqid5 :
: 150

Seqid7 :G.....G....C.....C.....
: 150



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Fig. 2B

160 * 180 * 200

Seqid1 : CCTTTGGTAGATAATGATGAGACCGTTAAGGCTCTGGCAAGCAAGCTACC
: 200
Seqid3 :A.....C.....
: 200
Seqid5 :TA.C...A..T.....C.....
: 200
Seqid7 :C.....T.....C.....
: 200

* 220 * 240 *

Seqid1 : CAGTTGGTTATTTGACTTGATTCTGATGAGATTAAACCGCAAGCTG
: 250
Seqid3 :
: 250
Seqid5 :
: 250
Seqid7 :
: 250

260 * 280 * 300

Seqid1 : CTGCCATCTAGACGAACAAGCACAATTTAACCAATCAAACAGCT
: 300
Seqid3 :
: 300
Seqid5 :
: 300
Seqid7 :
: 300



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Fig. 2C

	*	320	*	340	*
Seqid1 :	CGTGTGTTGGTGCAGGTACCGATGAGCGTGGTAGTCGTGAGTATAA				
:	350				
Seqid3 :				
:	350				
Seqid5 :				
:	350				
Seqid7 :				
:	350				

	360	*	380	*	400
Seqid1 :	TATGTCACTGGGGGAACGCCGTGCGGTGGCGGTACGCAACTATTGCTTG				
:	400				
Seqid3 :T.....				
:	400				
Seqid5 :				
:	400				
Seqid7 :				A
:	400				

	*	420	*	440	*
Seqid1 :	GTAAAGGCATTAATCAAGCCAGCGTTGAGATTATCAGTTTGGTGAAGAA				
:	450				
Seqid3 :				
:	450				
Seqid5 :				
:	450				
Seqid7 :C.....				
:	450				



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Fig. 2D

460 * 480 * 500

Seqid1 : CGCCCTATCGCATTGGCACAAATGAAGAAGCATGGTCACAAAATCGTCG
: 500
Seqid3 :
: 500
Seqid5 :
: 500
Seqid7 :
: 500

*

Seqid1 : TGCTGAACTGTCTTATTAA : 519
Seqid3 : : 519
Seqid5 : : 519
Seqid7 : : 519



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Figure 3A
Alignment of the BASB019 polypeptide sequences.
Identity to SeqID No:2 is indicated by a dot.

* 20 * 40 *
Seqid2 : MMLHIQIAAAAALSVLT FMTGCANKSTSQVMVAPNAP TGVIYTGVA
: 50
Seqid4 :
: 50
Seqid6 :
: 50
Seqid8 : A
: 50

60 * 80 * 100
Seqid2 : PLVDNDETVKALASKLPSLVYFDFDSDEIKPQAAILDEQAQFLTTNQTA
: 100
Seqid4 : T
: 100
Seqid6 : I. T. . T.
: 100
Seqid8 : T
: 100

* 120 * 140 *
Seqid2 : RVLVAGHTDERGSREYNMSLGERAVAVRNYLLGKGINQASVEIISFGEE
: 150
Seqid4 :
: 150
Seqid6 :
: 150
Seqid8 : S
: 150



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Fig. 3B

160 *

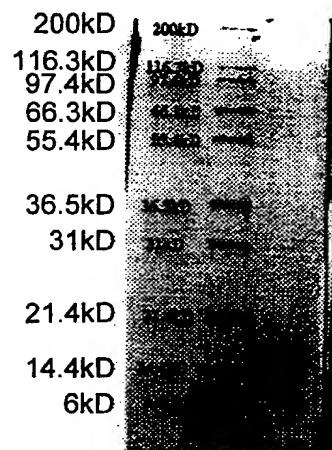
Seqid2 : RPIAFGTNEEAWSQNRRRAELSY : 172
Seqid4 : : 172
Seqid6 : : 172
Seqid8 : : 172

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Fig.4

Coomassie stained SDS-PAGE of BASB019 protein

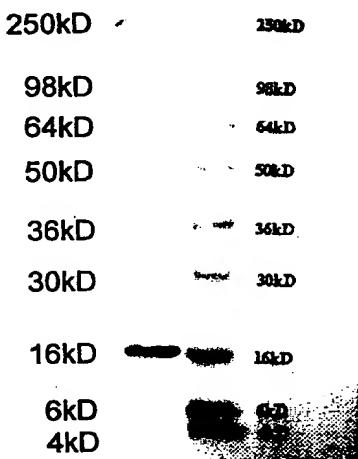




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Fig.5

Western-blot with tetra-His antibody of BASB019 protein





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Fig.6

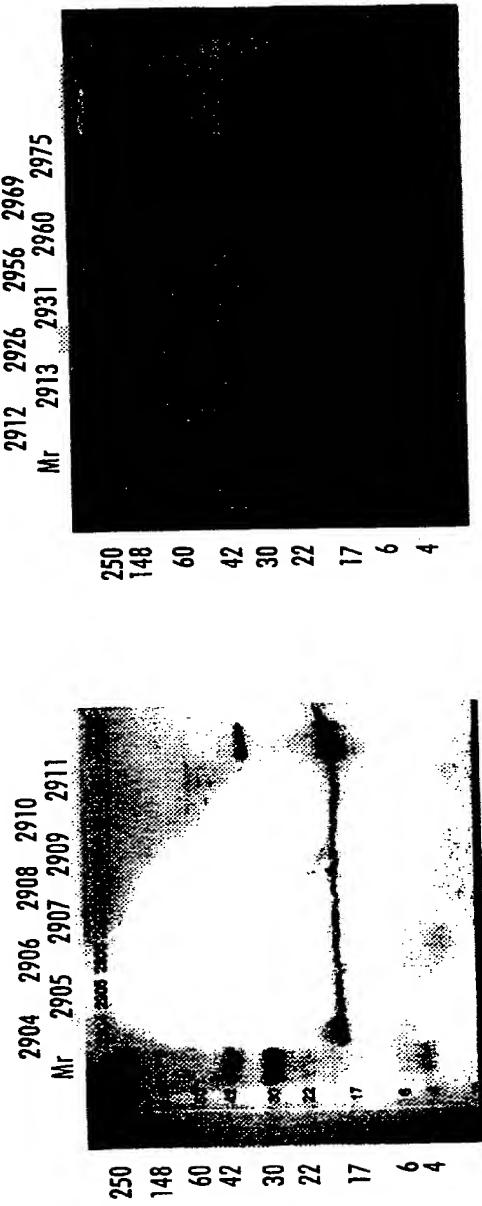
Western-blot of purified recombinant BSAB019 protein probed with the corresponding anti-recombinant protein sera at 1:200

kDa	1	2	3	4	5	Lanes
250						1 MW Marker
148						2 CovRb 252 pre
60						3 CovRb 252 post
42						4 CovRb 254 pre
30						5 CovRb 254 post
22						
17						
6						
4						



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Fig.7
Western-blot of whole cell lysates of 16 strains of *M. Catarrhalis* using pooled sera against the recombinant BASB019 protein. Sera was diluted 1:2000





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Fig.8

Western-blot of purified recombinant BSAB019 protein probed with pooled human convalescent sera at 1:100

kDa	1	2	3	4	5	Lanes
250						1 MW Marker
148						2 SBRb 302 pre
60						3 SBRb 302 post
12						4 SBRb 303 pre
30						5 SBRb 303 post
22						
17						
6						
4						